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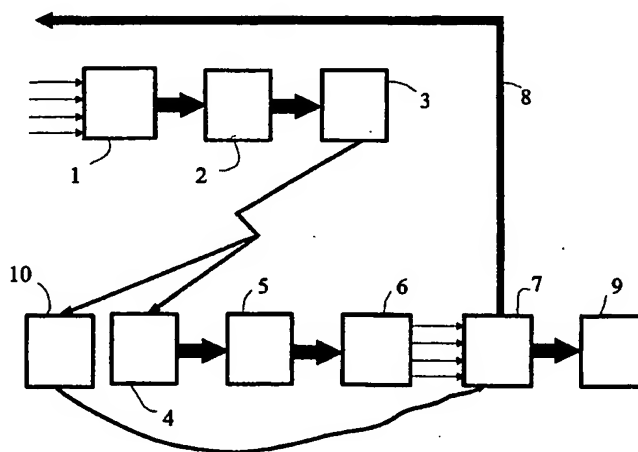
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(54) Title: RATE ADAPTIVE DATA BROADCAST TECHNIQUE



(57) **Abstract:** This invention describes a novel digital broadcast modulation scheme to provide wide area coverage at a high bit rate from a single transmitter. The scheme creates an additional dimension within which to create transmission channels besides those of time, code, direction and frequency. Advantages of scheme include lower power to deliver the same total bit rate to an area, wider coverage using the same power, and closer spacing of transmitters sharing the same frequencies. It is particularly well suited to supporting broadcast of data to a large population of users.